

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

POWER OF ATTORNEY BY ASSIGNEE

Under the provisions of 37 C.F.R. § 3.71, H.C. STARCK INC., the undersigned assignee of record of the entire interest in the pending patent applications listed on the attached Schedule A by virtue of assignments filed in respective applications elects to conduct the prosecution of the application/maintenance of the patents to the exclusion of the inventor(s). The undersigned hereby declares that he has reviewed the above-referenced assignment and hereby declares that, to the best of his knowledge, title is in the Assignee, and further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true. The assignee hereby revokes any previous powers of attorney and appoints the following to prosecute the application(s)/maintain the patent(s) and transact all business in the Patent and Trademark Office connected therewith:

Practitioners associated with Customer Number 23517

The above-identified attorneys are now to be indicated to have the full power to prosecute the applications listed in the attached Schedule A before the U.S. Patent and Trademark Office.

ASSIGNEE
H.C. STARCK INC.

Date: 3/15/92

By: Robert K. Sarafian
Robert K. Sarafian
Vice President, General Counsel and Secretary
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45 Industrial Place
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SCHEDULE A

H.C. Starck Inc. - Pending Patent Applications

Application No.	Title	New Atty. Docket No.
11/216,498	FINE GRAIN NIOBIUM SHEET VIA INGOT METALLURGY	HCS-016/7309682001
13/340,973	MOLYBDENUM TUBULAR SPUTTERING TARGETS WITH UNIFORM GRAIN SIZE AND TEXTURE	HCS-017C1/7309663001
12/853,615	LIQUID COOLED GLASS METAL ELECTRODE	HCS-018/7309672001
13/301,066	REFRACTORY METAL POTS	HCS-019DV/7309695001
12/915,781	NIOBIUM BASED ALLOY THAT IS RESISTANT TO AQUEOUS CORROSION	HCS-020DV/7309705001
12/090,919	METHODS OF MAKING MOLYBDENUM TITANIUM SPUTTERING PLATES AND TARGETS	HCS-021B/7309732001
12/917,668	METHODS OF MAKING MOLYBDENUM TITANIUM SPUTTERING PLATES AND TARGETS	HCS-021DV/7309735001
12/109,765	TANTALUM BASED ALLOY THAT IS RESISTANT TO AQUEOUS CORROSION	HCS-022/7309742001
12/915,681	TANTALUM BASED ALLOY THAT IS RESISTANT TO AQUEOUS CORROSION	HCS-022DV/7309745001
13/124,814	TANTALUM BASED ALLOY THAT IS RESISTANT TO AQUEOUS CORROSION	HCS-023/7309752001
11/653,816	HIGH DENSITY REFRACTORY METALS & ALLOYS SPUTTERING TARGETS	HCS-024/7309892001
10/593,809	METHODS OF FORMING ALPHA AND BETA TANTALUM FILMS WITH CONTROLLED AND NEW MICROSTRUCTURES	HCS-026/7309862001
12/256,609	REFRACTORY METAL-DOPED SPUTTERING TARGETS, THIN FILMS PREPARED THEREWITH AND ELECTRONIC DEVICE ELEMENTS CONTAINING SUCH FILMS	HCS-028/7309762001